

MATERIAL SAFETY DATA SHEET

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Revision No: New MSDS

Miracle-Gro® Bug Spray

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Miracle-Gro® Bug Spray

PRODUCT DESCRIPTION: Bug Spray

MANUFACTURER

The Scotts Company
Hyponex - Miracle Gro - Scotts Sierra
14111 Scottslawn Road
Marysville, OH 43041

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
International: 1-703-527-3887
Emergency Phone: 1-937-644-0011

EPA REG. NO.: 88-24-62355

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Pyrethrum	8002-34-7	5 mg/m3	5 mg/m3
Sodium Benzoate	532-32-1	None	None
Piperonyl Butoxide	51-03-6	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Liquid

IMMEDIATE CONCERNS: Eye/skin irritant, skin sensitizer, and respiratory tract/pulmonary irritant.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: Skin irritant and sensitizer.

INGESTION: Harmful if swallowed.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

MEDICAL CONDITIONS AGGRAVATED: Over exposure by persons with severe asthma and/or sensitive to pollen could bring on an allergic reaction. Piperonyl butoxide, proprietary to Pyrenone concentrate, if overdosed by inhalation may increase liver enzyme activity.

ROUTES OF ENTRY: Ingestion, inhalation.

4. FIRST AID MEASURES

EYES: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

SKIN: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. Call a poison control center or doctor for further treatment advice. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment advice.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: TCC > 200°F

EXTINGUISHING MEDIA: Dry chemical, foam, or CO₂.

FIRE FIGHTING EQUIPMENT: Use self-contained air supply.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposes on heating to emit toxic oxides of sodium and acrid smoke and irritating fumes.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: See label. Avoid breathing vapors. Avoid contact with skin, eyes, or clothing. Soak up with an absorbent material such as sand, sawdust, earth, fuller's earth. Wash thoroughly with soap and water after handling. Do not contaminate water when disposing of equipment washwaters. Keep out of lakes, streams, or ponds. Remove to approved landfill.

7. HANDLING AND STORAGE

HANDLING:

See label. Do not use, pour, spill or store near heat or open flame. Wash hand with soap and water after handling product. Avoid container breakage. KEEP OUT OF REACH OF CHILDREN.

STORAGE:

See label. Store in clean, dry, well-ventilated area away from incompatible materials and heat sources. Reseal opened container securely. Temperature should be kept above 32°F. Do not contaminate water, food or feed by storage or disposal. KEEP OUT OF REACH OF CHILDREN.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Protective eye wear is normally not required but is suggested so contact can be avoided.

SKIN: Protective gloves recommended. Contact glove manufacturer for more information.

RESPIRATORY: Avoid breathing spray mist. If mist levels are high a mask is recommended to avoid inhalation.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Petroleum distillate.

APPEARANCE: Whitish to clear liquid.

SOLUBILITY IN WATER: 100%

SPECIFIC GRAVITY: 0.998 at 20°C

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Keep away from heat, sparks and open flames.

STABILITY: Stable

POLYMERIZATION: Will not occur

11. TOXICOLOGICAL INFORMATION

ACUTE

ORAL LD₅₀ : >5.0 grams/kg

INHALATION LC₅₀ : >2.6 mg/liter (4 hr. exposure)

CARCINOGENICITY:

IARC: No

NTP: No

OSHA: No

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish. Keep out of lakes, streams and ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Shrimp and crab may be killed at application rates recommended on label.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Securley wrap original container in several layers of newspaper and discard in trash. Do no reuse container.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: This product is not DOT regulated

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: NO PRESSURE GENERATING: NO REACTIVITY: NO ACUTE: YES CHRONIC: NO

16. OTHER INFORMATION

REVISION SUMMARY

New MSDS

NFPA CODES

HEALTH: 2 FIRE: 0 REACTIVITY: 0

HMIS CODES

HEALTH: 2 FIRE: 0 REACTIVITY: 0

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